Docket No.   4271-4027US7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Continuation Application of:

Applicant(s):	Gibbons et al.		
Serial No.:	Cont. of 08/803,835	Group Art Unit:	Unassigned
Filed:	Herewith	Examiner:	Unassigned
For:	REMOTE WIRELESS UNIT HAVING REDUCED POWER OPERATING MODE FOR A DISCRETE MULTITONE SPREAD SPECTRUM COMMUNICATIONS SYSTEM		

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above-identified application as follows:

IN THE SPECIFICATION

Please REPLACE the paragraphs in the specification to read as follows:

Page 1, Paragraph 1:

This patent application is a Continuation-in-Part of the copending US patent application by David Gibbons, et al., entitled "REMOTE WIRELESS UNIT HAVING REDUCED POWER OPERATING MODE", serial number 08/796,586, filed February 6, 1997, and assigned to AT&T Wireless Services, Inc.

Page 1, Paragraphs 2 and 3:

The invention disclosed herein is related to the co-pending U.S. patent application by Sivash Alamouti, Doug Stolarz, and Joel Becker, entitled "VERTICAL ADAPTIVE ANTENNA ARRAY FOR A DISCRETE MULTITONE SPREAD SPECTRUM COMMUNICATIONS

SYSTEM", serial number 08/806,510, filed on the same day as the instant patent application, assigned to AT&T Wireless Services, Inc., and incorporated herein by reference.

The invention disclosed herein is relate to copending U.S. patent application by Alamouti et al., entitled "Method for Frequency Division Duplex Communications", serial number 08/796,584, filed February 6, 1997, assigned to AT&T Wireless Services, Inc. and incorporated herein by reference.

IN THE CLAIMS

Please CANCEL original claims 1-25.

Please ADD new Claims 26-33 as follows:

26.   In a wireless communications network, a method to communicate with a remote station that is in a sleep mode, the remote station having a unique identification value, comprising the steps of:

    establishing a periodic reference instant at a local station and at the remote station, which has a beginning subframe count instant that is incremented by a packet count value at the local station and the remote station;

    determining a delay interval following said periodic reference instant at the local station, said delay interval being derived from said unique identification value of said remote station; and

    transmitting a message from the local station to the remote station at a second instant following said delay interval, said remote station having changed from said sleep mode to a standby mode after said delay interval.

27.   The method of claim 26, wherein said remote station changes from said sleep mode to a standby mode after said delay interval.

28.   In a wireless communications network, a method to communicate with a remote station that is in a sleep mode, the remote station having a unique identification value, comprising the steps of:

establishing a periodic reference instant at the local station and at the remote station, which has a beginning subframe count instant that is incremented by a packet count value at the local station and the remote station;

determining a delay interval following said periodic reference instant at the local station, said delay interval being derived from said unique identification value of said remote station;

attempting to initiate a communication from said local station to said remote station;

concluding at the local station that the remote station is in a sleep mode if said attempting step fails to initiate communications with the remote station;

waiting for said delay interval following said periodic reference instant at the local station; and

transmitting a message from the local station to the remote station at a second instant following said delay interval, said remote station having changed from said sleep mode to a standby mode after said delay interval.

29.   The method of claim 28, wherein said remote station changes from said sleep mode to a standby mode after said delay interval.

30.   A wireless communications method to communicate with a remote station that is in a sleep mode, the remote station having a unique identification value, comprising the steps of:

establishing a periodic reference instant at the local station and at the remote station, which has a beginning subframe count instant that is incremented by a packet count value at the local station and the remote station;

determining a delay interval following said periodic reference instant at the local station, said delay interval being derived from said unique identification value of said remote station;

receiving at the local station a spread signal comprising an incoming data traffic signal spread over a plurality of discrete traffic frequencies;

adaptively despreading the signals received at the local station by using despreading weights;

attempting to initiate a communication from said local station to said remote station;

concluding at the local station that the remote station is in a sleep mode if said attempting step fails to initiate communications with the remote station;

waiting for said delay interval following said periodic reference instant at the local station to the remote station a spread signal comprising an outgoing data traffic signal spread over a plurality of discrete traffic frequencies.

31.   The method of claim 30, wherein said local station is part of a wireless discrete multitone spread spectrum communications system.

32.   The method of claim 30, wherein said delay interval is determined by a value N of a quantity of M least significant bits of said unique identification value of said remote station, the delay interval being an interval required for the occurrence of a plurality of N of said beginning subframe count instants.

33.   The method of claim 30, wherein said remote station changes from said sleep mode to a standby mode after said delay interval.

REMARKS

Claims 26 – 33 are in the case. No new matter is entered by the foregoing amendment. A marked-up copy of amendments to the specification is attached as Appendix I. Consideration and allowance is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required for the timely consideration of this amendment under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account No. 13-4503, Order No. 4271-4027US7.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

Dated: _____July 17, 2001_____   By: _____Joseph C. Redmond, Jr._____

Joseph C. Redmond, Jr.
Registration No. 18,753
202-857-7887 – Telephone
202-857-7929 – Facsimile

SENDER'S ADDRESS:
Morgan & Finnegan L.L.P.
1775 Eye Street, N.W. Suite 400
Washington, D.C. 20006

APPENDIX I
Marked-Up Copy of Amendments

IN THE SPECIFICATION:

Please Amend page 1 of the specification as follows:

Page 1, Paragraph 1:

This patent application is a Continuation-in-Part of the copending US patent application by David Gibbons, et al., entitled "REMOTE WIRELESS UNIT HAVING REDUCED POWER OPERATING MODE", serial number 08/796,586, filed February 6, 1997, and assigned to AT&T Wireless Services, Inc. [Docket: Gibbons 1-1, 2455-4340US1)]

Page 1, Paragraphs 2 and 3:

The invention disclosed herein is related to the co-pending U.S. patent application by Sivash Alamouti, Doug Stolarz, and Joel Becker, entitled "VERTICAL ADAPTIVE ANTENNA ARRAY FOR A DISCRETE MULTITONE SPREAD SPECTRUM COMMUNICATIONS SYSTEM", serial number 08/806,510, filed on the same day as the instant patent application, assigned to AT&T Wireless Services, Inc., and incorporated herein by reference.

The invention disclosed herein is relate to copending U.S. patent application by Alamouti et al., entitled "Method for Frequency Division Duplex Communications", serial number 08/796,584, filed February 6, 1997, assigned to AT&T Wireless Services, Inc. and incorporated herein by reference.